

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/JP03/08634

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G03F7/004, G03H1/02, C08G65/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G03F7/00-7/42, G03H1/02, C08G65/18

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	EP 848294 A1 (JAPAN SYNTHETIC RUBBER CO., LTD.), 17 June, 1998 (17.06.98), Full text; all drawings & JP 10-168165 A & US 5981616 A1	1-4 5-7
X Y	JP 2000-221870 A (Daiwa Can Co.), 11 August, 2000 (11.08.00), Par. Nos. [0021] to [0026] (Family: none)	1-4 5-7
X Y	JP 2002-62411 A (Toppan Printing Co., Ltd.), 28 February, 2002 (28.02.02), Full text; all drawings (Family: none)	1-4 5-7

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
07 October, 2003 (07.10.03)

Date of mailing of the international search report
21 October, 2003 (21.10.03)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/08634

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 8-262700 A (KRI International, Inc.), 11 October, 1996 (11.10.96), Full text; all drawings (Family: none)	1-7
Y	US 2002/0004172 A1 (NIPPON SHEET GLASS CO., LTD.), 10 January, 2002 (10.01.02), Full text; all drawings & JP 6-19040 A	1-7
Y	EP 980025 A1 (AGENCY OF INDUSTRIAL SCIENCE AND TECHNOLOGY), 16 February, 2000 (16.02.00), Full text & JP 2001-109360 A	1-7
P, X	JP 2002-236440 A (Dainippon Printing Co., Ltd.), 23 August, 2002 (23.08.02), Claims; Par. Nos. [0039] to [0050] (Family: none)	1-7

Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. Claims 1-7 are directed to inventions having the same technical feature in comprising an oxetane compound having 1 to 4 oxetane rings, a photocationic polymerization initiator and a matrix forming precursor. 2. Claims 8-11 and 14 are directed to inventions having the same technical feature in having an optical image recording layer comprising an oxetane compound having 1 to 4 oxetane rings, a photocationic polymerization initiator and a matrix forming precursor. 3. Claims 12 and 15 are directed to inventions having the same technical feature in having an optical image recording layer comprising an oxetane compound having 1 to 4 oxetane rings, a photocationic polymerization initiator and a matrix forming precursor. (continued to extra sheet)

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-7.

Remark on Protest ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

Continuation of Box No. II of continuation of first sheet(1)

initiator and a binder matrix. 4. Claims 13 and 16 are directed to inventions having the same technical feature in having an optical image layer comprising an oxetane compound having 1 to 4 oxetane rings and a binder matrix. In this connection, the optical image recording layer comprising an oxetane compound having 1 to 4 oxetane rings, a photocationic polymerization initiator, a matrix forming precursor and/or a binder matrix is described in JP 10-168165 A, JP 2000-221870 A and JP 2002-62411 A and hence is not one attaining contribution over the prior art. Therefore, it cannot be recognized that among the invention groups of items 1. to 4. above there are special technical features prescribed in PCT Rule 13.2, and accordingly the requirement of unity of invention is not satisfied.